Author Index

Abou-Seif, A.K. 337 Agrawal, K. 175 Agrawal, S. 175 Aptel, J.D. 359 Bahadur, P. 343 Balabanidis, Th. N. 191 Bonekamp, B.C. 159 Burkhart, G.W. Candau, F. 411 Cannon, W.R. 305 Chen, L. 133 Chung, S.I. 323 Dhathathreyan, A. El-Aasser, M.S. 103 Fowkes, F.M. 103, 243 Gallois, G.P. 191 Green, J.H. 391 337 Habib, A.M. Hazlett, R.D. 53, 71 Holtzscherer, C. 411 Huang, Y.C. 243 Hudson, G.F. 263 Ishimoto, K. Jain, V.K. 373 Jean, J.H. 273Kaisheva, M. 147 Khan, A.R. 175 Kulp, M.J. 243 Labib, M.E. 293 Lack, C.D. 103 Leppinen, J.O. 205 Lissant, K.J. 1 Lloyd, T.B. 243

Marsden, S.S. 133 Matis, K.A. 191 Menon, V.B. Mikeska, K.R. 305 Miller, C.A. 89 Mundhara, G.L. 373 Osseo-Asare, K. 403 Parfitt, G.D. 391 Prins, A. 159 Qi, D. 147 Qutubuddin, S. 119 Raghaven, S. 263 Rao, Y.K. 343 Rastas, J.K. 205 Riess, G. 343 Ring, T.A. 273 Saafan, A.A. 337 Salem, M.A. 337 Sastry, N.V. 343 Saxena, V. 175 Schechter, R.S. 53, 71 Schmitt, A. 359 Shah, B.A., 243 Shutt, J.D. 233 221 Takeda, S. Taylor, S.E. 29 Tiwari, J.S. 373 Usui, S. 147, 221 Vanderhoff, J.W. 103 Varshney, K.G. 175 Voegel, J.C. 359 7,323 Wasan, D.T. Wiencek, J.M.



Subject Index

Acidity,

A flow microcalorimetric investigation of the — of chromium dioxide and γ -iron oxide (Hudson, Raghaven) 263

Adsorption kinetics,

— of proteins onto solid surfaces in the limit of the interfacial interaction control (Aptel et al.) 359

Agglomeration,

Effect of a sterically stabilizing surfactant on the nucleation, growth and — of monosized ceramic powders (Jean, Ring) 273

Air/water interface,

Phase transitions in insoluble monolayers at the — (Dhathathreyan) 425

Alumina.

Sorption-desorption studies of anionic dyes on — pretreated with acids (Jain et al.) 373

Barium titanate.

Non-aqueous dispersion properties of pure
— for tape casting (Mikeska, Cannon)
305

Block copolymers,

Interaction studies of styrene-ethylene oxide — with ionic surfactants in aqueous solution (Bahadar et al.) 343

Capillary surface waves,

On the modulation of — (Bonekamp, Prins) 159

Catalytic conversion,

— of n-pentanol to 1,1-dialkyl ether by aluminium and iron exchanged montmorillonite catalyst (Habib et al.) 337

Ceramic powders,

Effect of a sterically stabilizing surfactant on the nucleation, growth and agglomeration of monosized — (Jean, Ring) 273

Chromium dioxide,

A flow microcalorimetric investigation of the acidity of — and γ -iron oxide (Hudson, Raghaven) 263

Coalescence.

Characterization of oil-water interfaces containing finely divided solids with applications to the — of water-in-oil emulsions: A review (Menon, Wasan) 7

Droplet — near liquid/liquid critical points (Hazlett, Schechter) 71

Investigations into the electrical and — behaviour of water-in-crude oil emulsions in high voltage gradients (Taylor) 29

Cohesive energy ratio,

Application of the — concept (CER) to the formation of polymerizable microemulsions (Holtzscherer, Candau) 411

Crude oil.

Slurries and emulsions of waxy and heavy crude oils for pipeline transportation of — (Marsden et al.) 133

Demulsification,

Emulsification and — — An historical review (Lissant) 1

Desorption,

Sorption—studies of anionic dyes on alumina pretreated with acids (Jain et al.) 373

1,1-Dialkyl ether,

Catalytic conversion of n-pentanol to by aluminium and iron exchanged montmorillonite catalyst (Habib et al.) 337

Diffusion

Spontaneous emulsification produced by — — A review (Miller) 89

Dyes,

Sorption-desorption studies of anionic — on alumina pretreated with acids (Jain et al.) 373

Dynamic stability,

— of liquid-liquid dispersions containing polymeric suspension stabilizers (Chung, Wasan) 323

Electrical,

Investigations into the — and coalescence behaviour of water-in-crude oil emulsions in high voltage gradients (Taylor) 29

Electrostatic stabilization,

Stability of non-aqueous dispersions. Paper 7. — of concentrated colloidal dispersions (Green, Parfitt) 391

Emulsification.

— and demulsification — An historical review (Lissant) 1

Emulsions,

Slurries and - of waxy and heavy crude

oils for pipeline transportation of crude oil (Marsden et al.) 133

Ethylene oxide,

Interaction studies of styrene- — block copolymers with ionic surfactants in aqueous solution (Bahadur et al.) 343

Finely divided solids,

Characterization of oil-water interfaces containing — with applications to the coalescence of water-in-oil emulsions: A review (Menon, Wasan) 7

Flotation,

Cationic — of quartz from an artificial mixture with hematite using hexylamine (Takeda, Usui) 221

Processing of magnesium carbonate fines by dissolved-air — (Matis et al.) 191

Flow microcalorimetric,

A — investigation of the acidity of chromium dioxide and γ -iron oxide (Hudson, Raghaven) 263

Growth,

Effect of a sterically stabilizing surfactant on the nucleation, — and agglomeration of monosized ceramic powders (Jean, Ring) 273

Hematite,

Cationic flotation of quartz from an artificial mixture with — using hexylamine (Takeda, Usui) 221

Hexylamine,

Cationic flotation of quartz from an artificial mixture with hematite using — (Takeda, Usui) 221

Hydrogen bubble,

Interaction between a stationary mercury electrode and a — in an aqueous sodium dodecyl sulphate solution (Kaisheva et al.) 147

Insoluble monolayers,

Phase transitions in — at the air/water interface (Dhathathreyan) 425

Interfacial interaction,

Adsorption kinetics of proteins onto solid surfaces in the limit of the — control (Aptel et al.) 359

Ion exchanger,

Synthetic, kinetic and analytical studies on titanium (IV) arsenosilicate — : Separation of lead from its synthetic alloys (Varshney et al.) 175

Ionic surfactants,

Interaction studies of styrene-ethylene oxide block copolymers with — in aqueous solution (Bahadur et al.) 343

y-Iron oxide.

A flow microcalorimetric investigation of the acidity of chromium dioxide and — (Hudson, Raghaven) 263

y-Iron oxides.

Surface and colloid chemical studies of — for magnetic memory media (Fowkes et al.) 243

Langmuir film,

Continuous water purification system for — studies (Shutt, Burkhart) 233

Lead.

Synthetic, kinetic and analytical studies on titanium (IV) arsenosilicate ion exchanger: separation of — from its synthetic alloys (Varshney et al.) 175

Lead sulfide.

Thermodynamics of the system — and thiol collector (Leppinen, Rastas) 205

Liquid-liquid critical points,

Droplet coalescence near — (Hazlett, Schechter) 71

Liquid-liquid dispersions,

Dynamic stability of — containing polymeric suspension stabilizers (Chung, Wasan) 323

Liquid-liquid distribution,

— in reversed micellar systems (Osseo-Asare) 403

Macroemulsions,

Stability of — (Hazlett, Schechter) 53

Magnesium carbonate,

Processing of — fines by dissolved-air flotation (Matis et al.) 191

Magnetic memory media,

Surface and colloid chemical studies of gamma iron oxides for — (Fowkes et al.) 243

Mercury electrode,

Interaction between a stationary — and a hydrogen bubble in an aqueous sodium dodecyl sulphate solution (Kaisheva et al.) 147

Microemulsions,

Solubilization in — and application to separations (Wiencek, Qutubuddin) 119 Miniemulsification, The — process — Different form of spontaneous emulsification (El-Aasser et al.) 103

Montmorillonite,

Catalytic conversion of n-pentanol to 1,1-dialkyl ether by aluminium and iron exchanged — catalyst (Habib et al.) 337

Non-aqueous dispersion,

— properties of pure barium titanate for tape casting (Mikeska, Cannon) 305

Non-aqueous dispersions,

Stability of —. Paper 7. Electrostatic stabilization of concentrated colloidal dispersions (Green, Parfitt) 391

Nucleation.

Effect of a sterically stabilizing surfactant on the —, growth and agglomeration of monosized ceramic powders (Jean, Ring) 273

Oil-water interfaces,

Characterization of — containing finely divided solids with applications to the coalescence of water-in-oil emulsions: A review (Menon, Wasan) 7

Organic liquids,

The origin of the surface charge on particles suspended in — (Labib) 293

n-Pentanol,

Catalytic conversion of — to 1,1-dialkyl ether by aluminium and iron exchanged montmorillonite catalyst (Habib et al.) 337

Phase transitions,

— in insoluble monolayers at the air/water interface (Dhathathreyan) 425

Polymeric suspension stabilizers,

Dynamic stability of liquid-liquid dispersions containing — (Chung, Wasan) 323

Polymerizable microemulsions,

Application of the cohesive energy ratio concept (CER) to the formation of — (Holtzscherer, Candau) 411

Proteins,

Adsorption kinetics of — onto solid surfaces in the limit of the interfacial interaction control (Aptel et al.) 359

Quartz,

Cationic flotation of — from an artificial mixture with hematite using hexylamine (Takeda, Usui) 221

Reversed micellar systems,

Liquid-liquid distribution in — (Osseo-Asare) 403

Separation,

Synthetic, kinetic and analytical studies on titanium (IV) arsenosilicate ion exchanger: — of lead from its synthetic alloys (Varshney et al.) 175

Separations,

Solubilization in microemulsions and application to — (Wiencek, Qutubuddin) 119

Slurries,

— and emulsions of waxy and heavy crude oils for pipeline transportation of crude oil (Marsden et al.) 133

Sodium dodecyl sulphate,

Interaction between a stationary mercury electrode and a hydrogen bubble in an aqueous — (Kaisheva et al.) 147

Solubilization.

 in microemulsions and application to separations (Wiencek, Qutubuddin) 119
 Sorption,

 -desorption studies of anionic dyes on alumina pretreated with acids (Jain et al.)
 373

Spontaneous emulsification,

— produced by diffusion — A review (Miller) 89

The miniemulsification process — Different form of — (El-Aasser et al.) 103

Stability,

of macroemulsions (Hazlett, Schechter)53

of non-aqueous dispersions. Paper 7.
 Electrostatic stabilization of concentrated colloidal dispersions (Green, Parfitt) 391

Sterically stabilizing surfactant,

Effect of a — on the nucleation, growth and agglomeration of monosized ceramic powders (Jean, Ring) 273

Styrene

Interaction studies of — —ethylene oxide block copolymers with ionic surfactants in aqueous solution (Bahadur et al.) 343

Surface charge,

The origin of the — on particles suspended in organic liquids (Labib) 293

Tape casting,

Non-aqueous dispersion properties of pure barium titanate for — (Mikeska, Cannon) 305 Thermodynamics,

— of the system lead sulfide and thiol collector (Leppinen, Rastas) 205

Thiol collector,

Thermodynamics of the system lead sulfide and — (Leppinen, Rastas) 205

Titanium (IV) arsenosilicate,

Synthetic, kinetic and analytical studies on
— ion exchanger: Separation of lead from
its synthetic alloys (Varshney et al.) 175
Water-in-crude oil emulsions,

Investigations into the electrical and coalescence behaviour of — in high voltage gradients (Taylor) 29

Water-in-oil emulsions,

Characterization of oil-water interfaces containing finely divided solids with applications to the coalescence of —: A review (Menon, Wasan) 7

Water purification,

Continuous — system for Langmuir film studies (Shutt, Burkhart) 233

Waxy crude oil,

Slurries and emulsions of — and heavy crude oils for pipeline transportation of crude oil (Marsden et al.) 133

